

CLAIMS

We claim:

1. A polypropylene comprising a propylene polymer having no peroxide residue and having a melt flow of at least about 300g/10 min and a xylene solubles of not more than about 3.5%, and wherein the propylene content of the polymer is from 99.5 to 100% by weight of polymer.
2. The polypropylene of claim 1, wherein the polypropylene has a xylene solubles of from about 1% to 3.5%.
3. The polypropylene of claim 1, wherein the polypropylene has a melt flow of from about 300g/10 min to 1000g/10 min.
4. The polypropylene of claim 1, wherein the polypropylene has a melt flow of from about 300 g/10 min to 400 g/10 min.
5. The polypropylene of claim 1, wherein the polypropylene has a melt flow of at least about 350 g/10min.
6. The polypropylene of claim 1, wherein the polypropylene has a melt flow of at least about 400 g/10min.
7. An article formed from the polypropylene of claim 1, wherein the article is selected from a group consisting of a polypropylene fiber, a textile material, a diaper, a feminine hygiene product, an automobile bumper fascia, exterior or interior trim or body panel, an internal or external appliance component or trim, a drape, a gown, a mask, a glove, food packaging, a cup, a plate, a bowl, and a food container.

8. A material formed from the ultra high melt flow polypropylene of claim 1, wherein the material is selected from a group consisting of a coating material for applying to a substrate and a binder material.